Graham

U. S. ENVIRONMENTAL PROTECTION AGENCY

POLLUTION REPORT

DATE: January 11, 1988

Region II
Response and Prevention Branch
Edison, New Jersey 08837

(201) 548-8730 - Commercial & FTS
24 Hour Emergency

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TAT

POLREP NO.:	Twenty-eight (28)
INCIDENT/SITE NO.:	Arkansas Chemical Company/T9
POLLUTANT:	Textile chemicals and intermediates
CLASSIFICATION:	Major
SOURCE:	Abandoned chemical facility
LOCATION:	Newark, New Jersey
AMOUNT:	20,000 containers of various chemicals, 1500 drums (600 empty), 87 indoor and outdoor tanks of which less than ten hold oil, acid, and unknowns
WATER BODY:	None

1. SITUATION

A. The Arkansas Chemical Company produced textile and other specialty chemicals at its Newark facility until it was abandoned in 1983. Abandoned on this site are a two-story office/laboratory building (Bldgs. 25/30), a machine shop (Bldg. 26), a small chemical processing building (Bldg. 27), a large four-story chemical process building (Bldg. 28), a boiler room/tank house (Bldgs. 16 & 16B), a storage building (Bldg. 24), and two sheds (S1 & S2). About 1500 drums and 20,000 small containers of chemicals exist in these buildings. In addition, there are approximately 17 aboveground storage tanks and 70 process tanks/reaction vessels.

2. ACTION TAKEN:

A. Listed below are the categories of hazardous materials classified on site and their current status. An estimated 45,738 gallons of material remain on site. This total does not include laboratory waste, cylinders or roll-off boxes.

1) Base/Neutral and Oxidizer Liquids, Oxidizer and Reactive Solids (28% of total waste streams) 9,000 gallons, 33 gallons, 5 gallons and 3 gallons respectively are mixed together in a bulking chamber stored behind building 28. Another 4,000 gallons of BNL is stored in a holding pool in front of building 28B. Disposal analysis has been performed on both and waste facility acceptance is expected soon.

2) Flammable and Organic Liquids (13% of total waste streams) 2,745 gallons and 3,100 gallons respectively are mixed together in a bulking chamber behind building 28B. Disposal analysis has been performed and waste facility acceptance is under way.

3) Acid Liquids (7% of total waste streams) 3,200 gallons of this material are staged in their original containers inside building 28. Disposal analysis has been performed and waste facility acceptance is under way.

4) Cyanide Liquids (<<1% of total waste streams) 44 gallons of this material are staged in their original containers inside building 28. Disposal analysis has been performed and waste facility acceptance is under way.

5) Peroxide Liquids and Solids (2% of total waste streams) 650 gallons and 10 gallons respectively of these materials are bulked together in overpack drums inside building 28. Disposal analysis has been performed and waste facility acceptance is under way.

6) Halogenated Organic Liquids (1% of total waste streams) 583 gallons of this material are staged in overpack drums inside building 28. Disposal analysis has been performed and waste facility acceptance is under way.

7) Base/Neutral Solids (33% of total waste streams) 15,000 gallons of this material are staged in their original containers inside building 28. Disposal analysis has indicated that this material qualifies for landfill disposal.

8) Acid Solids (9% of total waste streams) 4,200 gallons of this material are staged in their original containers inside building 28. Disposal

analysis has indicated that the pH needs to be lowered prior to disposal.

9) Cyanide Solids (<<1% of total waste streams) 90 gallons of this material are staged in their original containers inside building 28. Disposal analysis has been performed and waste facility acceptance is under way.

10) Organic and Flammable Solids (7% of total waste streams) 2,500 gallons and 575 gallons respectively have been bulked together in their original containers inside building 28. Disposal analysis has been performed and waste facility acceptance is under way.

B. The disposal of nearly 20,000 laboratory reagent bottles is complete with the exception of 9 specific wastes. These wastes include explosives, mercury compounds and PCB's. Alternate disposal methods for these items are under way.

C. Twelve gas cylinders, two of which are unknown, remain on site. Disposal via manufacturer identification is under way.

D. Ten hazardous roll-off boxes have been disposed of at approved landfills. The two remaining roll-offs will be disposed of similarly in the near future.

E. All asbestos material has been stabilized in place and awaits final mitigation.

F. Nearly 600 empty drums are staged inside building 24 awaiting cleaning and shredding.

G. Each of the nine site buildings has been secured to prevent vandalism. The site perimeter has been clearly delineated by fencing and warning signs.

H. During the site demobilization period, which began December 11, 1987, EPA/TAT has made several site visits to review conditions. On January 7, 1988, it was noticed that the holding pool was frozen. The following day ERCS installed a high volume aeration pump to mitigate this problem.

3. FUTURE PLANS AND RECOMMENDATIONS:

A. ERCS will remobilize on January 18, 1988, to prepare the site for an unspecified demobilization period. The demobilization period is a result of budgetary constraints placed on the removal program. During this period a $2 million dollar exemption letter will be written and will request an additional $500,000 to

complete remaining site work. Remaining site work will be completed as funding becomes available.

B. 24 hour site security will be indefinitely canceled as of January 25, 1988.

C. EPA/TAT will make periodic on-site inspections to ensure area security.

4. FINANCIAL ACCOUNTING:

A.	Total Project Ceiling Authorized	$ 1,966,009
B.	Mitigation Contract Ceiling	$ 1,598,009
C.	Expenditures for Mitigation Contracts	
1. a.	Amount obligated to ERCS contractor for Delivery Orders #6893-02-073 and #7445-02-006 (DCNs KCS - 361, 629, 633, 710, 726, 730, KE - 0001, 0027, 0035) as of January 11, 1988.	$ 1,325,380
1. b.	Amount de-obligated due to contract rollover	$ 1,991
1. c.	Total amount obligated to date	$ 1,323,389
1. d.	Estimated mitigation expenditures as of January 11, 1987	$ 1,253,389
1. e.	Balance Remaining	$ 70,000
D.	Unobligated Balance Remaining	$ 272,629
E.	Other Extramural Costs as of January 11, 1987	
1. a.	TAT Salary/Travel (estimated)	$ 84,309
b.	Analytical Costs	$ 6,628
F.	Intramural Costs as of December 11, 1987	
1. a.	EPA (Estimated Direct and Indirect)	$ 51,000
G.	Total Expenditures	$ 1,395,326
	Percent of Total Project Ceiling	70.9%
	Percent of $2 Million	69.7%

FINAL POLREP _____ FURTHER POLREPS FORTHCOMING ✓

SUBMITTED BY: Mark P Pane

Mark P. Pane, OSC
Response and
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DATE RELEASED: JANUARY 13 1988